New England Compounding Center, Inc.
PO Box 4146
Woburn, MA 01888-4146
Ph. 508-820-0606
Fx. 508-820-1616

Invoice

Date	Invoice #
11/14/2011	195577

Bill To	Ship To
SAINT VINCENT'S HOSPITAL 810 ST. VINCENT'S DRIVE BIRMINGHAM, AL 35205 ATTN: SHEA CORSENTINO	SAINT VINCENT'S HOSPITAL-CARDIO 810 ST. VINCENT'S DRIVE BIRMINGHAM, AL 35205 ATTN: IN-PATIENT PHARMACY 3RD FLOOR

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Account#
	Net 30	SMay	11/14/2011	FEDEX		

Quantity	Item Code	Description	Price Each	Amount
10	CP-00067	CARDIOPLEGIA - INDUCTION FORMULA, 420mL	42.00	420.00
10	CP-00068	CARDIOPLEGIA - ENRICHED REPERFUSATE, 250mL	70.00	700.00
10	CP-00069	CARDIOPLEGIA - MAINTENANCE FORMULA, 810mL	42.00	420.00
1	Shipping Charges		30.00	30.00

!!!THANK YOU FOR YOUR ORDER!!!

PLEASE PLACE INVOICE NUMBER ON PAYMENT

Total	$1,570.00
Credits	$0.00
Balance Due	$1,570.00

JP

174757_1_19_000206

FDA_P00394664

Logged Formula Worksheet (standard)
11/14/2011 10:00:48 AM
Page 1

LG203932

NEW ENGLAND COMPOUNDING CTR
697 WAVERLY ST.
697 WAVERLY ST.
FRAMINGHAM, MA 01702 Ph. 800-994-6322

CP-00067 INDUCTION FORMULA SOLUTION

Flavor:
Description:
Schedule:
Active ☑
Formula ID: 8854
Log ID: 203932

Quantity made: 4200 ML
Batch yield: 4,200.000
Qty remaining: 4,200.000
PCCA ID:
Route of admin:

Date made: 11/14/2011
Lot number: 11142011@65
Beyond use date: December 14, 2011 10:00 AM
30 days after compounding date
Pharmacist: AVS
Technician: <NONE>
NDC1:
Packaging:
Equipment:

Pricing calculations from the log

Estimated price	$9.24	as of
Ingredient cost	$0.00	
Device cost	$0.00	
Time cost	$0.00	Time to make: 0
Profit	$9.24	

Labeling: REFRIGERATE
Stability information:

Chemicals	*Sch.*	*Quantity used*	*QS (Balance)*	*Actual cost & date*
1 DEXTROSE 5%/NACL 0.225% SOLUTION Lot #: 69-261-JT Mfg: HOSPIRA Volume: Potency: Balance:	L	2750 ML Exp. date: 9/1/2016 QS amount:	☐ _____ Whlsr: MSD Each ML contains 0.655 ML or 65.5% NDC: 08409-7924-09 ChemInvID: 0	$0.00
2 CPD ANTICOAGULANT SOLN Lot #: 10282011@3 Mfg: STORE Volume: Potency: Balance:		250 ML Exp. date: 1/26/2012 QS amount:	☐ _____ Whlsr: STORE Each ML contains 0.0595 ML or 5.95% NDC: ChemInvID: 6860	$0.00 10/28/2011
3 TROMETHAMINE (THAM) 0.3M SOLUTION Lot #: 11112011@3 Mfg: STORE Volume: Potency: Balance:		1000 ML Exp. date: 2/9/2012 QS amount:	☐ _____ Whlsr: STORE Each ML contains 0.238 ML or 23.8% NDC: ChemInvID: 6953	$0.00 11/11/2011
4 POTASSIUM CHLORIDE 2MEQ/ML SOLN Lot #: 88725DW Mfg: HOSPIRA Volume: Potency: Balance:		200 ML Exp. date: 4/1/2016 QS amount:	☐ _____ Whlsr: HOSPIRA Each ML contains 0.0476 ML or 4.76% NDC: 00409151302 ChemInvID:	$0.00 07/30/2010

(Added all GM & GMS: 0.00)

Log Instructions & Notes

Originally made as: 4200 CP-00067 INDUCTION FORMULA SOLUTION
Calculated lot number: 11142011@65 Beyond use date: 12/14/2011
FORMULA INSTRUCTIONS:

CARDIOPLEGIA #88888800067 INDUCTION FORMULA-
ST.VINCENT'S HOSPITAL-AL

10 X 420 mL BAGS

USE BAXA EM-2400 PUMP TO PRODUCE
USE ZEBRA 3X3 LABELS (GREEN)

St. Vincent's Hospital — AL
Induction Formula

Tham 0.3M	100 mL
CPD	25 mL
D5 1/4NS	275 mL
Potassium Chloride (2 mEq/mL)	20 mL

Total Volume: 420 mL
Cardiac Perfusion Only
Not for I.V. Administration
Exp: 12/14/2011
Lot: 11142011@65
Refrigerate
RX Only
800 — 994 — 6322
Framingham, MA 01702
888888000671

*****The EM2400 Compounder may be operated by trained pharmacists or te[illegible] certified by the Pharmacy IV Supervisor.**
*****The EM2400 Compounder complements, but does not replace, professio[illegible] and proper sterile technique in the compounding of parenteral solutions. The EM2400 should be operated only by users trained in its operation. Training certification records should be maintained for all users in pharmacy personnel files.**

Tube Set Installation

Compounder tube sets should be replaced at the beginning of the mixing day, at intervals established by the pharmacy.

Date entered: 11/14/2011 10:00:39 AM **Last modified:** 11/14/2011 10:00:44 AM by AVS (Pharmacist)
Checked by: _____ **Date:** 11/15/11

NEW ENGLAND COMPOUNDING CTR
697 WAVERLY ST.
697 WAVERLY ST.
FRAMINGHAM, MA 01702 Ph. 800-994-6322

CP-00067 INDUCTION FORMULA SOLUTION
()

Flavor:
Description:

Schedule:

Active ☑
Formula ID: 8854
Log ID: 203932

Quantity made: 4200 ML

Batch yield: 4,200.000
Qty remaining: 4,200.000

PCCA ID:
Route of admin:

Baxa recommends 24 hours. The compounder and adjacent work area should be cleaned before a new tube set is installed.

Equipment Necessary:

1. EM2400 Compounder
2. EM2400 Valve Set, Order No.**724**

An incorrect valve set installation can result in an error in the calibration process. Check for proper installation if the calibration process is unsuccessful.

Do not use the compounder if a valve actuator is broken or damaged.

Solution Preparation

Solutions compounded on the ExactaMix 2400 (EM2400) must have a final weight within ± 3% of the calculated value to be acceptable.

Procedure:

1. Select an appropriate empty container for the final solution. Use a container size that will adequately hold the solution without overfilling. Baxa TPN bags may be filled to a maximum of 10% over the bag size as overfill. Do not overfill.
2. Attach the solution label with the order and bar-coded serial number to the empty container.
3. Attach the bag to the pump tubing, and connect the bag to the scale. Insert the tubing into the scale's bag stem holder with the container face down.
4. Scan the label bar code to select the solution on the compounder. Verify on the configuration screen that the correct solution has been selected.
   NOTE: The EM2400 requires the use of a Universal Ingredient in a minimum of 30 mL for each solution mixing for proper function. If the selected solution does not contain at least 30 mL of a Universal Ingredient, the software displays a warning. Users may select a different Universal Ingredient from the list of preselected ingredients permitted for this purpose. If no ingredient will provide a minimum of 30 mL, the user must reformulate the solution or accept an additional amount to q.s. to this volume. Permission to do this is part of the compounder security setup.
5. Touch the Run button on the screen to initiate compounding. While the solution is pumping, observe the compounder operation and screen status to verify that the order is progressing and containers are emptying properly. If there are problems with the solution, touch the Pause button, then the Stop button to abort and correct any problems.
6. While the solution is pumping, draw up any manual additions for the formula. Touch the Manual Add button on the screen to see a drop down list of these ingredients.
   NOTE: During the solution pumping, ingredient containers may run out. The software is designed to detect this situation and prompt users through the process of replacing the container. DO NOT REPLACE A CONTAINER UNTIL THE SOFTWARE PROMPTS YOU TO DO SO.
7. When the compounder finishes, it will indicate the percent error between the calculated bag weight and actual bag weight. The bag must be within ± 3% of the calculated weight. If the bag falls outside of that range, review the MixCheck™ Report for any discrepancies, make the appropriate corrections and re-run that bag.
8. When the pumping is complete, clamp the blue clamp on the compounder port, remove the bag from the compounder outlet tube, and replace the screw cap.
9. If the solution formula contains manual additions, set the pumped solution, the Mix-Check Report, and the manual additions aside in the hood for a pharmacist to check. Once the check is complete, add the manual additions to the solution bag.
10. If there are no manual additions, set the completed solution and the Mix-Check Report aside for the pharmacist to check.

Date entered: 11/14/2011 10:00:39 AM **Last modified:** 11/14/2011 10:00:44 AM **by:** AVS, (Pharmacist)
Checked by: _____ **Date:** ___/___/_____

NEW ENGLAND COMPOUNDING CTR
697 WAVERLY ST.
697 WAVERLY ST.
FRAMINGHAM, MA 01702 Ph. 800-994-6322

CP-00067 INDUCTION FORMULA SOLUTION
0

Flavor:
Description:
Quantity made: 4200 ML

Batch yield: 4,200.000
Qty remaining: 4,200.000

Schedule:
PCCA ID:
Route of admin:

Active ☑
Formula ID: 8854
Log ID: 203932

CAUTION: **If a bag had to be aborted, be sure that the valve set is flushed with the Universal Ingredient before pumping another bag. If you are unsure whether the set was flushed, perform an individual inlet prime of the Universal Ingredient**

Troubleshooting ExactaMix 2400 (EM2400) Air (Bubble) and Occlusion Alarms

The ExactaMix 2400 Compounder (EM2400) has inline air and occlusion detectors designed to alert users to unit conditions of pumping air or pulling a vacuum. Baxa recommends that all alarms be investigated prior to continuation of the bag fill. In the event of air or occulsion alarms, Baxa recommends the following troubleshooting steps.

Air (Bubble) Alarms

Symptom: Bubble alarms occurred on all bags after the initial tube set installation.
Troubleshooting: Verify that the tube set is seated all the way into the bubble detector channel. If so, call Baxa Technical Support for additional assistance.
Correction: Seat the tube set all the way into the bubble detector channel and run another bag to verify that the alarms stop.

Symptom: Bubble alarms occurring on multiple bags after the initial tube set installation.
Troubleshooting: Check the priming volumes for the macro, micro and syringe inlets to ensure that the inlets were completely primed during the initial prime and verify setup step. Macro inlets should be primed with 30 mL, micro inlets 5 mL and syringe inlets 5 mL of fluid, respectively.
Correction: Call Baxa Technical Support for help with increasing your prime volumes.

Symptom: Bubble alarm occurred after a new ingredient container was swapped.
Troubleshooting: A bubble may have been introduced into the inlet at the time of the container change. Lift the lid and inspect the size of the bubble. Typically these are fairly small bubbles. The staff pharmacist should make a decision regarding whether or not this bag should be aborted. Example: If you are pumping a large volume of water and a small bubble was introduced into the inlet at the time of the change, this may not be an issue. However, if you are pumping 0.2 mL of an electrolyte and you have a small bubble, the bag may not have received its full dose.
Correction: Baxa recommends a specific spiking technique when changing ingredients. For vial ingredients, spike the vial while it is inverted. This minimizes the chance to introduce air. For bag ingredients, spike the bag and hang it. After hanging the bag, flick the spike port with your finger multiple times to purge any air that may have been introduced.

Symptom: Bubble alarm occurred in the middle of the bag when no ingredients were swapped.
Troubleshooting: Check the source container that was pumping at the time of the alarm to ensure that it is not empty. If the container is empty there are a few possibilities that may have caused the alarm:

1. Source remainder was wrong.
   a. Ingredient volume was wrong from the supplier.
   b. Somebody edited the source remainder inaccurately.
2. Pump calibration is off. If this is the case, all ingredients will be pumping inaccurately, which will be caught with the final bag weight check.
3. A partial vial was hung and the source remainder was not edited to reflect the true volume.

Correction:

1. Inspect other ingredients from the same lot number and compare the volumes. Ensure that there has been no remainder editing. Baxa can help with this by inspecting the blackbox if necessary.
2. Recalibrate the load cell and the pump before proceeding.

Date entered: 11/14/2011 10:00:39 AM Last modified: 11/14/2011 10:00:44 AM by: AVS, (Pharmacist)
Checked by: _____ Date: ___/___/_____

MixCheck™Report

Formula Name	Induction Formula Solution(88888800067)	Date/Time	11/15/2011 9:56:53AM
Serial Number	88888800067	User	Barry J. Cadden
Configuration	CARDIO-2	Elapsed Time	00:24:36

Expected Weight (g): 429.20 Measured Weight (g): 432.01 Difference (%): 0.65

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/2/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967072

MixCheck™Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 9:59:41AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:29**

Expected Weight (g): **429.20** Measured Weight (g): **432.80** Difference (%): **0.84**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/2/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Total (mL): 420

Details:

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967073

MixCheck™Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:01:42AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:01:36**

Expected Weight (g): **429.20** Measured Weight (g): **429.43** Difference (%): **0.05**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/2/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Total (mL): 420

Details:

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967074

MixCheck™Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:04:44AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:36**

Expected Weight (g): **429.20** Measured Weight (g): **432.26** Difference (%): **0.71**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3	Exp. Date:	1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		12
	Lot #: 04-212-JT	Exp. Date:	4/2/2013	
	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 5)		263
	Lot #: 04-212-JT	Exp. Date:	4/1/2013	
			Total (mL):	275
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7	Exp. Date:	5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1	Exp. Date:	1/26/2012	
			Total (mL):	**420**

Details:

Selected bag 138 EVA Container 500mL.
Container at port 21 exchanged with new container of Hospira Dex 5% 0.225 NS 1000 Bag
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967075

MixCheck™ Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:06:43AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:01:38**

Expected Weight (g): **429.20** Measured Weight (g): **431.39** Difference (%): **0.51**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967076

MixCheck™Report

Formula Name	Induction Formula Solution(88888800067)	Date/Time	11/15/2011 10:12:28AM
Serial Number	88888800067	User	Barry J. Cadden
Configuration	CARDIO-2	Elapsed Time	00:05:23

Expected Weight (g): 429.20 Measured Weight (g): 433.12 Difference (%): 0.91

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967077

MixCheck™ Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:15:32AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:41**

Expected Weight (g): **429.20** Measured Weight (g): **429.42** Difference (%): **0.05**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		187
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 5)		88
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
			Total (mL):	275
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
Container at port 21 exchanged with new container of Hospira Dex 5% 0.225 NS 1000 Bag
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967078

MixCheck™ Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:18:01AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:07**

Expected Weight (g): **429.20** Measured Weight (g): **430.20** Difference (%): **0.23**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Total (mL): 420

Details:

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967079

MixCheck™ Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:20:31AM**
Serial Number	88888800067	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:07**

Expected Weight (g): **429.20** Measured Weight (g): **432.01** Difference (%): **0.65**

User Comments:

			Ordered Volume
CPD Anticoagulant	Port: 1 NECC CPD Anticoagulant 3000 Bag (seq 1) Lot #: 10282011@3 Exp. Date: 1/26/2012		25
Dex 5% 0.225 NS	Port: 21 Hospira Dex 5% 0.225 NS 1000 Bag (seq 4) Lot #: 04-212-JT Exp. Date: 4/1/2013		275
K Chloride 2mEq/ml	Port: 12 NECC K Chloride 2mEq/ml 2000 Bag (seq 3) Lot #: 11042011@7 Exp. Date: 5/2/2012		20
Tromethamine 0.3M	Port: 19 NECC Tromethamine 0.3M 4000 Bag (seq 2) Lot #: 10282011@1 Exp. Date: 1/26/2012		100

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%
Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967080

MixCheck™Report

Formula Name	**Induction Formula Solution(88888800067)**	Date/Time	**11/15/2011 10:23:28AM**
Serial Number	**88888800067**	User	**Barry J. Cadden**
Configuration	**CARDIO-2**	Elapsed Time	**00:02:34**

Expected Weight (g): **429.20** Measured Weight (g): **430.86** Difference (%): **0.39**

User Comments:

				Ordered Volume
CPD Anticoagulant	Port: 1	NECC CPD Anticoagulant 3000 Bag (seq 1)		25
	Lot #: 10282011@3		Exp. Date: 1/26/2012	
Dex 5% 0.225 NS	Port: 21	Hospira Dex 5% 0.225 NS 1000 Bag (seq 4)		275
	Lot #: 04-212-JT		Exp. Date: 4/1/2013	
K Chloride 2mEq/ml	Port: 12	NECC K Chloride 2mEq/ml 2000 Bag (seq 3)		20
	Lot #: 11042011@7		Exp. Date: 5/2/2012	
Tromethamine 0.3M	Port: 19	NECC Tromethamine 0.3M 4000 Bag (seq 2)		100
	Lot #: 10282011@1		Exp. Date: 1/26/2012	

Details:

Total (mL): 420

Selected bag 138 EVA Container 500mL.
The final weight of this solution is within the acceptable limit of +/- 3.00%

Compounded on COMPOUNDER #3

Authorized by:

FOIA Confidential NECC_USMA000967081

AC

Cardioplegia: Medication Order Form

697 Waverly Street, Framingham, MA 01702
Tel: 800-994-6322 or 508-820-0606
Fax: 888-820-0583 or 508-820-1616
www.neccrx.com

PO#:

Fax order to: 888-820-0583

Saint Vincent's Hospital
810 St. Vincent's Drive
Birmingham, AL 35205

Telephone: (205) 939-7063
Fax: (205) 930-2129

Attn: In-Patient Pharmacy (3rd flr)
Jane McKinney, OR. Pharmacist

Date: 11/14/11

Expected Delivery Date: 11/16/11

T → W
1 Box

Indicate Number of Units Ordered	0 Units	10 Units (CR00067)	10 Units (CR00068)	10 Units (CR00069)
	Cardioplegia Solutions			
	Enriched Induction	Induction Formula	Enriched Reperfusate	Maintenance Formula
Ingredient	Volume	Volume	Volume	Volume
D50W Injection	10 ml		10 ml	
D5W	55 ml		61.25 ml	
D5 0.2% NS		275 ml		550 ml
~~CPD Injection~~	~~56.25 ml~~	25 ml	56.25 ml	50 ml
Tromethamine 0.3M	56.25 ml	100 ml	56.25 ml	200 ml
NaGlut/NaAsp 0.46M	62.5 ml		62.5 ml	
KCl (2 mEq/ml)	10 ml	20 ml	3.75 ml	10 ml
Total Volume	250 ml	420 ml	250 ml	810 ml
		4000	2500	8100
		420	700	420

HOSP ST. V

Print Name: Jane M. McKinney Title: O.R. Pharmacist

Signature: Jane M. McKinney

Order Confirmation:

Institutional Agent: Jane
NECC Agent: AB
Date: 11/14/11
Time: 9:53am

Ref: CARDIO
Dep:

Date: 15Nov11
Wgt: 1.00 LBS
DV:

SHIPPING: 10.54
SPECIAL: 1.53
HANDLING: 0.00
0.00 TOTAL: 12.07

Svcs: STANDARD OVERNIGHT
TRCK: 5101 3581 0586

advancing pharmacy solutions
necc

Pharmacist's Rx Ord r V rification Sh t

Please verify that the following are correct for this Rx Order

Facility Name ✓

Facility Address ✓

CP67	CP68	CP69
Drug 1	**Drug 2**	**Drug 3**
Medication Correct	Medication Correct	Medication Correct
Vial Size Correct	Vial Size Correct	Vial Size Correct
# of Units Correct	# of Units Correct	# of Units Correct
Lot # Matched ✓	Lot # Matched	Lot # Matched ✓
Correct Lab Reports Enclosed	Correct Lab Reports Enclosed	Correct Lab Reports Enclosed

Please initial after your name when verification complete.

Barry J. Cadden, RPh
Glenn A. Chin, RPh
Kathy S. Chin, RPh, PharmD
Joseph M. Evanosky,RPh, PharmD
Chris M. Leary, RPh, PharmD
Gene V. Svirskiy, RPh, PharmD
Alla Stepanets, RPh, PharmD

TRACKING #	ACT WG	SVC	PR	RECIPIENT CONTACT	COMPANY	ADDRESS 1	CITY	ST	ZIP	CUSTOMER REFERENCE
510135810347	1.00	SO	C	ALICE COMERFORD, NP	OCEAN STATE PAIN	219 CASS AVE, SUIT	WOONSOCKET	RI	02895	METHYLPRED
510135810406	1.00	SO	C	PHARMACY DEPT.	CHILDREN'S HOSPI	1600 SEVENTH AVENU	BIRMINGHAM	AL	35233	LET GEL
510135810494	1.00	SO	C	PHARMACY DEPT.	REID HOSPITAL &	1100 REID PARKWAY	RICHMOND	IN	47374	CARDIO
510135810509	1.00	SO	C	PHARMACY-ED GUERENA	MARIAN MEDICAL C	1400 E CHURCH STRE	SANTA MARI	CA	93454	CARDIO
510135810510	1.00	SO	C	PHARMACY/PAM/HEATHER	YORK HOSPITAL	1001 SOUTH GEORGE	YORK	PA	17405	CARDIO
510135810520	1.00	SO	C	BOB BUSKO	ST. JOSEPH HOSPI	301 PROSPECT AVENU	SYRACUSE	NY	13203	CARDIO
510135810531	1.00	SO	C	INPATIENT PHARMACY	HEALTHPARK MEDIC	9981 S. HEALTHPARK	FORT MYERS	FL	33908	CARDIO
510135810542	1.00	SO	C	INPATIENT PHARMACY	FROEDTERT HOSPIT	9200 W. WISCONSIN	MILWAUKEE	WI	53226	CARDIO
510135810553	1.00	SO	C	PHARMACY/ELLEN CLARK	DEACONESS HOSPIT	600 MARY STREET	EVANSVILLE	IN	47747	CARDIO
510135810564	1.00	SO	C	INPATIENT PHARMACY	FRYE REGIONAL ME	420 NORTH CENTER S	HICKORY	NC	28601	CARDIO
510135810575	1.00	SO	C	SURGERY DEPT (CHAD B	MERCY MEDICAL CE	801 - 5TH STREET	SIOUX CITY	IA	51101	CARDIO
510135810586	1.00	SO	C	IN-PATIENT PHARMACY	ST. VINCENT'S HO	810 ST. VINCENT'S	BIRMINGHAM	AL	35205	CARDIO
510135810601	1.00	SO	C	PHARMACY/MARIE-LAUR	GATEWAY MEDICAL	651 DUNLOP LANE	CLARKSVILL	TN	37040	CARDIO
510135810612	1.00	SO	C	ELLEN LUSTER-BUYER/M	CHILDREN'S HEALT	1405 CLIFTON ROAD	ATLANTA	GA	30322	CARDIO
510135810623	1.00	SO	C	ELLEN LUSTER-BUYER/M	CHILDREN'S HEALT	1405 CLIFTON ROAD	ATLANTA	GA	30322	CARDIO
510135810634	1.00	SO	C	RICHARD SILVER / ADA	NORTH SHORE MEDI	SALEM HOSPITAL REC	SALEM	MA	01970	CARDIO
510135810645	1.00	SO	C	AMY NICHOLS	LEWIS-GALE MEDIC	1900 ELECTRIC ROAD	SALEM	VA	24153	CARDIO
510135810656	1.00	SO	C	AMY NICHOLS	LEWIS-GALE MEDIC	1900 ELECTRIC ROAD	SALEM	VA	24153	CARDIO
510135810667	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810678	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810689	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810690	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810704	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810715	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810726	1.00	SO	C	INPATIENT PHARMACY	MERCY GENERAL HO	4001 J STREET	SACRAMENTO	CA	95819	CARDIO
510135810737	1.00	SO	C	PHARMACY/BARB FIORE	ST. ELIZABETH'S	211 SOUTH 3RD STRE	BELLEVILLE	IL	62220	CARDIO
510135810748	1.00	SO	C	PHARMACY	BENEFIS HOSPITAL	1101 26TH STREET S	GREAT FALL	MT	59405	CARDIO
510135810759	1.00	SO	C	IN-PATIENT PHARMACY	UNIVERSITY OF MI	2500 NORTH STATE	JACKSON	MS	39216	CARDIO
510135810760	1.00	SO	C	IN-PATIENT PHARMACY	UNIVERSITY OF MI	2500 NORTH STATE	JACKSON	MS	39216	CARDIO
510135810770	1.00	SO	C	RON/PHARMACY	THE WILLIAMSPORT	777 RURAL AVE	WILLIAMSPO	PA	17701	CARDIO
510135810781	1.00	SO	C	PHARMACY	PROCTOR HOSPITAL	5409 NORTH KNOXVIL	PEORIA	IL	61614	CARDIO
510135810807	1.00	SO	C	JULIE QUIRK	GR. MILWAUKEE PL	13800 W NORTH AVE,	BROOKFIELD	WI	53005	CREAM
510135810818	1.00	SO	C	MELISSA	HAND AND PLASTIC	ELITE PLASTIC SURG	GRAND RAPI	MI	49503	MESO
510135810829	1.00	SO	C	PHARMACY DEPT.	WENTWORTH DOUGLA	789 CENTRAL AVENUE	DOVER	NH	03820	BETA,DROPS,LET SOL
510135810830	1.00	SO	C	GARY SWARTZ	OREGON OUTPATIEN	7300 SW CHILDS ROA	TIGARD	OR	97224	OMNI
510135810862	1.00	SO	C	LISA ROBINSON	ADVANCED PAIN IN	42131 VETERANS AVE	HAMMOND	LA	70403	OMNI
510135810873	1.00	SO	C	SALLY SARRASIN/PHARM	BAYSTATE MEDICAL	759 CHESTNUT STREE	SPRINGFIEL	MA	01199	SULP.BLUE, HYDROXY, DROP
510135810884	1.00	SO	C	KIM SHREVE-PHARMACY	ST JOSEPH HOSPIT	700 BROADWAY	FORT WAYNE	IN	46802	VITA K, DIPH
510135810895	1.00	SO	C	INPATIENT PHARMACY	FLORIDA HOSPITAL	400 CELEBRATION PL	CELEBRATIO	FL	34747	VITA K
510135810900	1.00	SO	C	PHARMACY	MISSISSIPPI BAPT	1225 NORTH STATE S	JACKSON	MS	39202	VITA K
510135810910	1.00	SO	C	INPATIENT PHARMACY	INDIAN RIVER MED	1000 36TH STREET	VERO BEACH	FL	32967	VITA K
510135810921	1.00	SO	C	CHRISTINA PETERSEN	ARIZONA DERMATOL	830 AINSWORTH DR.	PRESCOTT	AZ	86301	CREAM
510135810932	1.00	SO	C	PHARMACY	EMANUEL MEDICAL	825 DELBON AVE.	TURLOCK	CA	95382	VITA K, DIPH
510135810943	1.00	SO	C	SHELLY HARRIS	PENINSULA EYE CE	101 MILFORD STREET	SALISBURY	MD	21804	AVAST, MITOMY
510135810954	1.00	SO	C	PHARMACY	McKENZIE-WILLAME	1460 G STREET	SPRINGFIEL	OR	97477	CARDIO
510135810965	1.00	SO	C	PHARMACY	MEMORIAL HOSPITA	4500 MEMORIAL DRIV	BELLEVILLE	IL	62226	CARDIO
510135810976	1.00	SO	C	CANDY BOBBITT	DECATUR MEMORIAL	2300 N. EDWARD STR	DECATUR	IL	62526	VITA K
510135810987	1.00	SO	C	BOB H.	EPHRATA COMMUNIT	169 MARTIN AVENUE	EPHRATA	PA	17522	ERYTH
510135810998	1.00	2D	C	MINDY HALL	RAPID RESULTS	2359 WINDY HILL RO	MARIETTA	GA	30067	LIPOV
510135811001	1.00	SO	C	JIM THOMAS	FAITH REGIONAL H	2700 W. NORFOLK AV	NORFOLK	NE	68701	LIDO/EPI/SOD
510135811012	1.00	SO	C	PHARMACY	ST. NICHOLAS HOS	3100 SUPERIOR AVE.	SHEBOYGAN	WI	53081	ALUM
510135811023	1.00	SO	C	PHARMACY	HEALTHPARK MEDIC	9981 S. HEALTHPARK	FORT MYERS	FL	33908	ALUM
510135811034	1.00	SO	C	PHARMACY	HEALTHPARK MEDIC	9981 S. HEALTHPARK	FORT MYERS	FL	33908	ALUM
510135811045	1.00	SO	C	PHARMACY/CHERYL LIGH	LUTHERAN HOSPITA	7950 W. JEFFERSON	FORT WAYNE	IN	46804	AMINO
510135811056	1.00	SO	C	PHARMACY	SENTARA LEIGH HO	830 KEMPSVILLE RD	NORFOLK	VA	23502	ROPIVI-CLON
510135811067	1.00	SO	C	DEBBIE FAINT	WINCHESTER MEDI	1840 AMHERST STREE	WINCHESTER	VA	22601	POLY/BACIT
510135811078	1.00	SO	C	DEBBIE FAINT	WINCHESTER MEDI	1840 AMHERST STREE	WINCHESTER	VA	22601	POLY/BACIT
510135811089	1.00	SO	C	DEBBIE FAINT	WINCHESTER MEDI	1840 AMHERST STREE	WINCHESTER	VA	22601	POLY/BACIT
510135811090	1.00	SO	C	LAURIE BOEHM	MAYO CLINIC HEAL	1221 WHIPPLE STREE	EAU CLAIRE	WI	54701	BACIT, POLYM
510135811104	1.00	SO	C	LAURIE BOEHM	MAYO CLINIC HEAL	1221 WHIPPLE STREE	EAU CLAIRE	WI	54701	BACIT, POLYM
510135811115	1.00	PO	C	PHARMACY DEPT.	UNITED HOSPITAL	333 NORTH SMITH AV	ST. PAUL	MN	55102	MITOMYC
510135811126	1.00	SO	C	JACKIE FOLETA/INPATI	FROEDTERT HOSPIT	9200 W. WISCONSIN	MILWAUKEE	WI	53226	ATROP
510135811137	1.00	SO	C	VICKI MONSELL	HANOVER HOSPITAL	300 HIGHLAND AVE	HANOVER	PA	17331	METHACHOL
510135811148	1.00	SO	C	MAUREEN GILL, PHARMA	SOUTHERN MARYLAN	7503 SURRATTS ROAD	CLINTON	MD	20735	VITA K
510135811160	1.00	SO	C	PHARMACY DEPT.	PROVENA ST. JOSE	77 N AIRLITE STREE	ELGIN	IL	60124	DROPS
510135811170	1.00	SO	C	GERILYN KELLERMAN	ST. JOSEPH'S MED	523 NORTH THIRD ST	BRAINERD	MN	56401	CAFFE
510135811181	1.00	SO	C	SHIRLEY PETERSON-PHA	MAINE MEDICAL CE	22 BRAMHALL STREET	PORTLAND	ME	04102	POTAS ACET
510135811192	1.00	SO	C	PHARMACY	WAREHOUSE METHOD	WAREHOUSE 1C ALTOR	EAST PEORI	IL	61611	METHACHOL
510135811207	1.00	SO	C	PHARMACY	HEYWOOD HOSPITAL	242 GREEN STREET	GARDNER	MA	01440	METHACHOL
510135811218	1.00	PO	C	PHARMACY	WASHAKIE MEDICAL	400 SOUTH 15TH STR	WORLAND	WY	82401	HYDRO

New England Compounding Center, Inc.
PO Box 4146
Woburn, MA 01888-4146
Ph. 508-820-0606
Fx. 508-820-1616

Invoice

Date	Invoice #
11/14/2011	195577

Bill To	Ship To
SAINT VINCENT'S HOSPITAL 810 ST. VINCENT'S DRIVE BIRMINGHAM, AL 35205 ATTN: SHEA CORSENTINO	SAINT VINCENT'S HOSPITAL-CARDIO 810 ST. VINCENT'S DRIVE BIRMINGHAM, AL 35205 ATTN: IN-PATIENT PHARMACY 3RD FLOOR

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Account#
	Net 30	SMay	11/14/2011	FEDEX		

Quantity	Item Code	Description	Price Each	Amount
10	CP-00067	CARDIOPLEGIA - INDUCTION FORMULA, 420mL	42.00	420.00
10	CP-00068	CARDIOPLEGIA - ENRICHED REPERFUSATE, 250mL	70.00	700.00
10	CP-00069	CARDIOPLEGIA - MAINTENANCE FORMULA, 810mL	42.00	420.00
1	Shipping Charges		30.00	30.00

!!!THANK YOU FOR YOUR ORDER!!!

PLEASE PLACE INVOICE NUMBER ON PAYMENT

Total	$1,570.00
Credits	-$1,570.00
Balance Due	$0.00

FedEx Services
Solutions and Technology

Shipment Information Report

Track Number and Date Range

Tracking Number: 510135810586

Package Detail

Ship Date	11/15/2011	**Pickup Courier**	
Form Code	201	**Pickup Status**	00
Service Base	05	**Pickup Location**	AYEA
Service Area	A1	**Destination Location**	BHMA
Special Handling Codes			

Shipper

Name	NEW ENGLAND COMPOUNDING	**Customer Number**	231566368
Company	NEW ENGLAND COMPOUNDING CENTER	**Reference Number**	CARDIO
Address	697 WAVERLY STREET FRAMINGHAM, MA, 01702 US		

Recipient

Name	IN-PATIENT PHARMACY 3RD FLOOR	**Customer Number**	
Company	ST. VINCENT'S HOSPITAL-BIRMING	**Bill-to Number**	
Address	810 ST. VINCENT'S DRIVE BIRMINGHAM, AL, 35205 US		

Delivery

Timestamp	11/16/2011 08:52:00	**Location**	2
Status Code	00	**Address**	810 SAINT VINCENTS DR
Courier	466198	**Route**	114

Signature

Signature Release on File?	No	**PowerPad**	PPNF1241137F
Signed For By	B.REED	**Seconds**	9
		Signature Image	

Last run on: Nov 13, 2014 6:14 PM

Payment Receipt

New England Compounding Center, Inc.
PO Box 4146
Woburn, MA 01888-4146
Ph. 508-820-0606
Fx. 508-820-1616

Received From:
SAINT VINCENT'S HOSPITAL-C...
SAINT VINCENT'S HOSPITAL
810 ST. VINCENT'S DRIVE
BIRMINGHAM, AL 35205
ATTN: SHEA CORSENTINO

Date Received	12/16/2011	**Payment Amount**	$1,570.00
Payment Method	Check		
Check/Ref. No.	195577 12/07/11		

Invoices Paid

Date	Number	Amount Applied
11/14/2011	195577	-$1,570.00

DOJ_NECC003725928